

MODEL R0 & R0_FG* - 0 Degree Return Performance Data

Nominal Size		Core Vel,FPM	200	300	400	500	600	700	800	900	1000	1200
W	H	Ps, IWG	-0.01	-0.01	-0.02	-0.03	-0.05	-0.06	-0.08	-0.10	-0.13	-0.18
Width	Height											
6"	6"	CFM	30	50	70	80	100	120	130	150	170	200
		NC	<20	<20	<20	<20	<20	<20	<20	20	23	28
8"	8"	CFM	70	100	130	160	200	230	260	300	330	390
		NC	<20	<20	<20	<20	<20	<20	<20	23	26	31
12"	6"	CFM	70	110	150	180	220	260	290	330	370	440
		NC	<20	<20	<20	<20	<20	<20	20	23	26	32
10"	10"	CFM	110	160	220	270	330	380	440	490	550	660
		NC	<20	<20	<20	<20	<20	<20	22	25	28	33
18"	6"	CFM	110	170	230	290	340	400	460	510	570	690
		NC	<20	<20	<20	<20	<20	<20	22	25	28	34
12"	12"	CFM	160	250	330	410	490	570	660	740	820	990
		NC	<20	<20	<20	<20	<20	20	23	27	30	35
14"	14"	CFM	230	350	460	580	690	810	920	1,040	1,150	1,380
		NC	<20	<20	<20	<20	<20	21	25	28	31	37
18"	12"	CFM	250	380	510	640	760	890	1,020	1,150	1,270	1,530
		NC	<20	<20	<20	<20	<20	21	25	29	32	37
24"	10"	CFM	280	420	560	700	850	990	1,130	1,270	1,410	1,690
		NC	<20	<20	<20	<20	<20	22	26	29	32	37
24"	12"	CFM	350	520	690	860	1,040	1,210	1,380	1,550	1,730	2,070
		NC	<20	<20	<20	<20	<20	23	27	30	33	38
30"	12"	CFM	440	650	870	1,090	1,310	1,530	1,740	1,960	2,180	2,620
		NC	<20	<20	<20	<20	<20	24	28	31	34	39
24"	24"	CFM	730	1,090	1,450	1,820	2,180	2,540	2,910	3,270	3,630	4,360
		NC	<20	<20	<20	<20	22	26	30	33	36	42
30"	30"	CFM	1,160	1,740	2,320	2,900	3,470	4,050	4,630	5,210	5,790	6,950
		NC	<20	<20	<20	<20	24	28	32	35	38	44
48"	24"	CFM	1,490	2,230	2,980	3,720	4,470	5,210	5,960	6,700	7,450	8,940
		NC	<20	<20	<20	<20	25	29	33	36	39	45
38"	38"	CFM	1,890	2,830	3,780	4,720	5,670	6,610	7,550	8,500	9,440	11,330
		NC	<20	<20	<20	20	26	30	34	37	40	46
48"	36"	CFM	2,270	3,410	4,540	5,680	6,810	7,950	9,080	10,220	11,350	13,620
		NC	<20	<20	<20	21	26	31	35	38	41	46
48"	42"	CFM	2,660	3,990	5,320	6,650	7,980	9,310	10,640	11,980	13,310	15,970
		NC	<20	<20	<20	22	27	32	35	39	42	47
48"	48"	CFM	3,050	4,580	6,100	7,630	9,160	10,680	12,210	13,730	15,260	18,310
		NC	<20	<20	<20	23	28	32	36	39	43	48

-Ps - Static Pressure Drop, I.W.G.

-Data determined in accordance with ASHRAE Standard 70-91

-NC noise criteria based on room attenuation of 10 dB, re:10-12 watts

*** Performance shown excludes the effects of the filter.**



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MODEL R45 & R45_FG* - 45 Degree Return Performance Data

Nominal Size		Core Vel,FPM	200	300	400	500	600	700	800	900	1000	1200
W	H	Ps, IWG	-0.01	-0.02	-0.03	-0.05	-0.07	-0.09	-0.12	-0.15	-0.19	-0.27
Width	Height											
6"	6"	CFM	30	50	70	80	100	120	130	150	170	200
		NC	<20	<20	<20	20	21	23	24	26	27	28
8"	8"	CFM	70	100	130	160	200	230	260	300	330	390
		NC	<20	<20	20	23	24	26	27	29	30	31
12"	6"	CFM	70	110	150	180	220	260	290	330	370	440
		NC	<20	<20	21	23	25	27	28	29	30	32
10"	10"	CFM	110	160	220	270	330	380	440	490	550	660
		NC	<20	20	23	25	27	28	30	31	32	34
18"	6"	CFM	110	170	230	290	340	400	460	510	570	690
		NC	<20	20	23	25	27	28	30	31	32	34
12"	12"	CFM	160	250	330	410	490	570	660	740	820	990
		NC	<20	21	24	27	28	30	31	33	34	35
14"	14"	CFM	230	350	460	580	690	810	920	1,040	1,150	1,380
		NC	<20	23	26	28	30	31	33	34	35	37
18"	12"	CFM	250	380	510	640	760	890	1,020	1,150	1,270	1,530
		NC	<20	23	26	28	30	32	33	34	35	37
24"	10"	CFM	280	420	560	700	850	990	1,130	1,270	1,410	1,690
		NC	20	24	27	29	31	32	34	35	36	38
24"	12"	CFM	350	520	690	860	1,040	1,210	1,380	1,550	1,730	2,070
		NC	21	25	28	30	32	33	35	36	37	39
30"	12"	CFM	440	650	870	1,090	1,310	1,530	1,740	1,960	2,180	2,620
		NC	22	26	29	31	33	34	36	37	38	40
24"	24"	CFM	730	1,090	1,450	1,820	2,180	2,540	2,910	3,270	3,630	4,360
		NC	24	28	31	33	35	36	38	39	40	42
30"	30"	CFM	1,160	1,740	2,320	2,900	3,470	4,050	4,630	5,210	5,790	6,950
		NC	26	30	33	35	37	38	40	41	42	44
48"	24"	CFM	1,490	2,230	2,980	3,720	4,470	5,210	5,960	6,700	7,450	8,940
		NC	27	31	34	36	38	40	41	42	43	45
38"	38"	CFM	1,890	2,830	3,780	4,720	5,670	6,610	7,550	8,500	9,440	11,330
		NC	28	32	35	37	39	41	42	43	44	46
48"	36"	CFM	2,270	3,410	4,540	5,680	6,810	7,950	9,080	10,220	11,350	13,620
		NC	29	33	36	38	40	41	43	44	45	47
48"	42"	CFM	2,660	3,990	5,320	6,650	7,980	9,310	10,640	11,980	13,310	15,970
		NC	29	34	36	39	41	42	43	45	46	48
48"	48"	CFM	3,050	4,580	6,100	7,630	9,160	10,680	12,210	13,730	15,260	18,310
		NC	30	34	37	39	41	43	44	45	46	48

-Ps - Static Pressure Drop, I.W.G.

-Data determined in accordance with ASHRAE Standard 70-91

-NC noise criteria based on room attenuation of 10 dB, re:10-12 watts

*** Performance shown excludes the effects of the filter.**



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MODEL 1AV, 1AH, 2AV, 2AH w/ Dampers / Supply Register Performance Data

Duct Size		Core Area Sq. Ft.	Core Velocity	200		300		400		500		600		700		800		900		1000		1200												
Nom Width W	Nom Height H			Ps	0	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.09	0.11	0.14	0.17	0.20	0.25	0.30	0.36	0.42	0.48	0.54										
6"	6"	0.17	CFM	30	50	70	80	100	120	130	150	170	200	230	25	29	34	39	45	51	57	63	69	75										
			NC	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20									
			Throw	0	2	4	8	5	7	13	7	10	15	7	11	16	9	13	18	11	14	20	12	15	21	13	16	23	14	17	24	15	18	26
			22.5	2	3	6	4	5	10	5	8	12	5	9	12	7	10	14	9	11	15	9	12	16	10	12	18	11	13	19	12	14	20	
8"	8"	0.33	CFM	70	100	130	160	200	230	260	300	330	370	410	45	51	57	63	70	77	84	91	98	105										
			NC	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	
			Throw	0	5	7	14	7	10	18	9	13	21	11	16	23	13	18	26	15	20	28	17	21	30	18	23	32	19	24	33	21	26	36
			22.5	4	5	11	5	8	14	7	10	16	9	12	18	10	14	20	12	15	22	13	16	23	14	18	25	15	19	26	16	20	28	
12"	8"	0.52	CFM	100	160	210	260	310	360	420	470	520	570	620	67	74	81	88	95	102	110	118	126	134										
			NC	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	
			Throw	0	5	8	16	8	13	23	11	17	27	14	21	30	16	23	32	19	25	35	22	27	38	23	28	40	24	30	42	26	32	46
			22.5	4	6	12	6	10	18	9	13	21	11	16	23	12	18	25	15	19	27	17	21	29	18	22	31	19	23	33	20	25	36	
12"	12"	0.82	CFM	160	250	330	410	490	570	660	740	820	900	980	107	116	125	134	143	152	161	170	179	188										
			NC	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	
			Throw	0	7	10	20	10	16	29	14	21	33	17	26	37	21	29	41	24	31	44	28	33	47	29	35	50	30	37	53	33	41	58
			22.5	5	8	15	8	12	22	11	16	26	13	20	29	16	22	32	19	24	34	22	26	36	22	27	39	23	29	41	26	32	45	
18"	10"	1.04	CFM	210	310	420	520	620	730	830	940	1040	1150	125	135	145	155	165	175	185	195	205	215	225										
			NC	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	
			Throw	0	8	12	23	12	17	32	16	23	38	19	29	42	23	32	46	27	35	50	31	37	53	33	40	56	34	42	59	38	46	65
			22.5	6	9	18	9	13	25	12	18	29	15	22	33	18	25	36	21	27	39	24	29	41	26	31	43	26	33	46	29	36	50	
16"	16"	1.54	CFM	310	460	610	770	920	1080	1230	1380	1540	1690	1840	199	214	229	244	259	274	289	304	319	334										
			NC	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	
			Throw	0	9	14	28	14	21	39	19	28	45	24	35	51	28	39	56	33	43	60	38	46	64	39	48	68	42	51	72	46	56	79
			22.5	7	11	22	11	16	30	15	22	35	19	27	39	22	30	43	26	33	46	29	36	50	30	37	53	33	39	56	36	43	61	
24"	14"	2.05	CFM	410	610	820	1020	1230	1430	1640	1840	2050	2250	2450	26	29	32	35	38	41	44	47	50	53										
			NC	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	
			Throw	0	11	16	33	16	24	45	22	33	53	27	41	59	33	46	64	38	49	70	44	53	74	46	56	79	48	59	83	53	64	91
			22.5	9	12	26	12	19	35	17	26	41	21	32	46	26	36	50	29	38	54	34	41	57	36	43	61	37	46	64	41	50	70	
36"	12"	2.63	CFM	530	790	1050	1320	1580	1840	2110	2370	2630	2890	3160	34	38	42	46	50	54	58	62	66	70										
			NC	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	
			Throw	0	12	19	37	18	28	52	25	37	60	31	46	67	37	52	73	43	56	79	49	60	84	52	63	90	54	67	94	60	73	103
			22.5	9	15	29	14	22	40	19	29	46	24	36	52	29	40	57	33	43	61	38	46	65	40	49	70	42	52	73	46	57	80	
22"	22"	3.03	CFM	610	910	1210	1510	1820	2120	2420	2720	3030	3630	38	42	46	50	54	58	62	66	70	74	78										
			NC	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	
			Throw	0	13	20	40	20	30	55	26	40	64	33	49	71	40	55	78	46	60	85	53	64	90	55	68	96	58	72	101	64	78	111
			22.5	10	15	31	15	23	43	20	31	50	26	38	55	31	43	60	36	46	66	41	50	70	43	53	74	45	56	78	50	60	86	
48"	12"	3.54	CFM	710	1060	1420	1770	2120	2480	2830	3190	3540	4250	44	48	52	56	60	64	68	72	76	80	84										
			NC	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	
			Throw	0	14	22	43	21	32	60	29	43	69	36	54	77	43	60	85	50	65	92	57	69	98	60	73	104	63	77	109	69	85	120
			22.5	11	17	33	16	25	46	22	33	53	28	42	60	33	46	66	39	50	71	44	53	76	46	57	81	49	60	84	53	64	88	93
36"	18"	4.09	CFM	820	1230	1630	2040	2450	2860	3270	3680	4090	4900	51	55	59	63	67	71	75	79	83	87	91										
			NC	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	
			Throw	0	15	23	46	23	35	64	31	46	74	38	57	83	46	64	91	54	70	98	61	74	105	64	79	112	68	83	118	74	91	129
			22.5	12	18	36	18	27	50	24	36	57	29	44	64	36	50	70	42	54	76	47	57	81	50	61	87	53	64	91	57	70	100	
30"	30"	5.79																																